

Title (en)
Resonance power supply circuit

Title (de)
Resonanz-Stromversorgungsschaltung

Title (fr)
Circuit d'alimentation de puissance à résonance

Publication
EP 0920118 A3 20000719 (EN)

Application
EP 98122197 A 19981127

Priority
JP 32908097 A 19971128

Abstract (en)
[origin: EP0920118A2] A current resonance power supply circuit resonates the primary winding L61 of the switching transformer 64 and the current resonance capacitor C2I by turning on and off the switching elements 61 and 62 and obtains high frequency output from the secondary winding L62 of the switching transformer 64 according to such resonance. With a capacitor whose capacity increases as the operation frequency of the switching elements 61 and 62 decreases used as the capacitor C2I above, the out-of-resonance phenomenon hardly occurs upon a sharp drop of the AC power voltage or a quick increase of the load. <IMAGE>

IPC 1-7
H02M 3/337

IPC 8 full level
H01G 4/20 (2006.01); **H02M 3/28** (2006.01); **H02M 3/337** (2006.01); **H02M 7/48** (2007.01); **H02M 7/538** (2007.01)

CPC (source: EP KR US)
H02M 3/01 (2021.05 - EP KR US); **H02M 3/33571** (2021.05 - EP KR US); **H04N 5/63** (2013.01 - KR); **Y02B 70/10** (2013.01 - KR)

Citation (search report)
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• [A] EP 0778659 A2 19970611 - DELCO ELECTRONICS CORP [US]
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